

Recovery Plan Action Status

Plan Name: Bellflower/Water-Willow (2 spp.)

Plan Status: Final

Plan Date: 20-Jun-94

Lead Agency: USFWS

Lead Office: North Florida Ecological Services Field Office

(2004)

232-2580)

| Species | Action Priority # | Action # | Action Description | Action Status | Est. Initiation Date | Est. Completion Date | Responsible Parties | Work Type | Labor Type | Action Comments |
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| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 1.1 | Secure known sites within government-owned lands | Ongoing Not Current | Prior to FY 1995 | | Florida Game and Fresh Water Fish Commission, Florida Department of Transportation, Florida Department of Agriculture and Consumer Services, including Forestry Division, Florida Department of Agriculture and Consumer Services, Division of Plant Industry, U.S. Fish and Wildlife Service, Southeast Region | Work type not yet selected | Labor type not yet selected | Should be complete by year 2 |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 1.21 | Determine habitat and population/reproductive needs | Not Started | | | University , U.S. Fish and Wildlife Service, Southeast Region | Work type not yet selected | Labor type not yet selected | For all tasks with Responsible Parties: UNIV - University or other research organizations with plant systematics facilities |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 1.31 | Conduct site analyses (for government-owned lands) | Ongoing Current | | | Botanical Gardens, Florida Department of Agriculture and Consumer Services, including Forestry Division, Florida Department of Agriculture and Consumer Services, Division of Plant Industry, U.S. Fish and Wildlife Service, Southeast Region | Management: Population Monitoring, Management: Predator and Competitor Control | Internal Technical Assistance, Species Expert | Ongoing for Brooksville bellflower at USDA site by Bok Gardens. |

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| Cooley's water-willow (Justicia cooleyi), Brooksville bellflower (Campanula robinsiae) | 1 | 1.321 | Prepare management plan: actions to diminish threats | Not Started | | | Florida Game and Fresh Water Fish Commission, The Nature Conservancy, University , U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District | Work type not yet selected | Labor type not yet selected | |
| Cooley's water-willow (Justicia cooleyi), Brooksville bellflower (Campanula robinsiae) | 1 | 1.322 | Prepare management plan: control exotic species | Ongoing Not Current | Prior to FY 1995 | | Florida Game and Fresh Water Fish Commission, The Nature Conservancy, University , U.S. Fish and Wildlife Service, Southeast Region, Managing Agencies | Work type not yet selected | Labor type not yet selected | May be underestimate; pest plants are a major problem. Responsible Parties: MGE - Government agencies owning or managing land in the Chinsegut Hill area: U.S. Dept. of Agriculture, Agricultural Research Service, Subtropical Agricultural Research Station; U.S. Dept of Agriculture, Soil Conservation Service, Plant Materials Center; Florida Game and Fresh Water Fish Commission, Chinsegut Nature Center |
| Cooley's water-willow (Justicia cooleyi), Brooksville bellflower (Campanula robinsiae) | 2 | 1.323 | Develop education program for land managers | Not Started | | | The Nature Conservancy, Florida Department of Transportation, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District | Work type not yet selected | Labor type not yet selected | |

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| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 1.33 | Implement management plan | Not Started | | | U.S. Fish and Wildlife Service, Southeast Region, Managing Agencies | Work type not yet selected | Labor type not yet selected | Long-term management. Responsible Parties: MGE - Government agencies owning or managing land in the Chinsegut Hill area: U.S. Dept. of Agriculture, Agricultural Research Service, Subtropical Agricultural Research Station; U.S. Dept of Agriculture, Soil Conservation Service, Plant Materials Center; Florida Game and Fresh Water Fish Commission, Chinsegut Nature Center |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 2.1 | Acquire private lands currently known to contain the species | Not Started | | | The Nature Conservancy, Florida Natural Areas Inventory, Florida Conservation and Recreation Lands Program, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District | Work type not yet selected | Labor type not yet selected | Any FWS funding is budgeted elsewhere. \$150,000 minimum? |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 2.2 | Locate suitable funding for land acquisition efforts | Not Started | | | The Nature Conservancy, Florida Natural Areas Inventory, Florida Conservation and Recreation Lands Program, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District | Work type not yet selected | Labor type not yet selected | |

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| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 2.3 | Seek non-acquisition methods of protecting habitats | Not Started | | | The Nature Conservancy, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District, Withlacoochee Regional Planning Council | Work type not yet selected | Labor type not yet selected | Provide funds to TNC and others to seek agreements |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 1 | 2.4 | Use governmental regulation to protect species and habitats | Not Started | | | Florida Game and Fresh Water Fish Commission, Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Florida Department of Community Affairs, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District, Withlacoochee Regional Planning Council | Work type not yet selected | Labor type not yet selected | |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 2 | 2.5 | Phase acquisition efforts based upon results of surveys | Not Started | | | Florida Game and Fresh Water Fish Commission, The Nature Conservancy, U.S. Fish and Wildlife Service, Southeast Region, Southwest Florida Water Management District | Work type not yet selected | Labor type not yet selected | |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 2 | 4 | Augment existing cultivated populations; establish a germ plasm bank | Partially Complete | Prior to FY 1995 | | Botanical Gardens, University, U.S. Fish and Wildlife Service, Southeast Region | Work type not yet selected | Labor type not yet selected | |
| Cooley's water-willow (Justicia cooley), Brooksville bellflower (Campanula robinsiae) | 2 | 5.1 | Assess ability of habitat to support the species | Not Started | | | University | Work type not yet selected | Labor type not yet selected | Could be done at same time as 1.21 and 1.3 |

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| Cooley's water-willow (Justicia cooleyi), Brooksville bellflower (Campanula robinsiae) | 2 | 5.3 | Establish monitoring program to meet recovery criteria | Not Started | | | The Nature Conservancy, University , U.S. Fish and Wildlife Service, Southeast Region | Work type not yet selected | Labor type not yet selected | |
| Cooley's water-willow (Justicia cooleyi), Brooksville bellflower (Campanula robinsiae) | 2 | 6 | Arrange law enforcement | Not Started | | | U.S. Fish and Wildlife Service, Law Enforcement Division, Florida Department of Agriculture and Consumer Services, Division o Plant Industry | Work type not yet selected | Labor type not yet selected | |